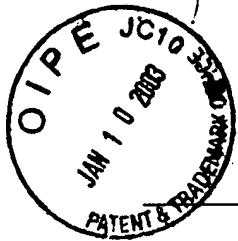


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PATENT

Case Docket No. QAVIE79.001APC

Date: January 6, 2003

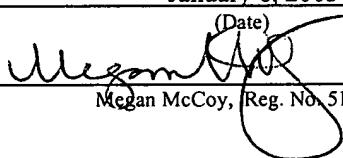
Page 1

In re application of : Chappel)
App. No. : 09/380,826)
Filed : November 22, 1999)
For : LEPTOSPIRA PATHOGENS)
HAVING NOVEL)
SEROLOGY)
Examiner : Hines, J.)
Art Unit : 1645)

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: United States Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, on

January 6, 2003

(Date)


Megan McCoy, Reg. No. 51,345

UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. Box 2327
Arlington, VA 22202

Sir:

Transmitted herewith is an amendment in the above-identified application.

An extension of time to respond for one month(s) is hereby requested.

Time Extension Fee:

one month (\$110 large entity)

The fee has been calculated as shown below:

CLAIMS AS FILED

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims 24 —	122	= 0 ×	\$18	= \$0
Independent Claims 2 —	3	= 0 ×	\$84	= \$0
If application has been amended to contain multiple dependent claim(s), then add			\$280	= \$0

Time Extension Fee \$110

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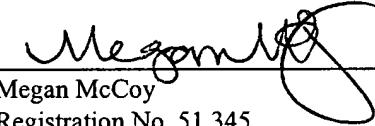
TOTAL ADDITIONAL FEE
FOR THIS AMENDMENT \$110

Case Docket No. DAVIE79.001APC

Date: January 6, 2003

Page 2

- (X) Exhibit A in 4 pages.
- (X) Exhibit B in 2 pages.
- (X) Return prepaid postcard.
- (X) A check in the amount of \$110 is enclosed.
- (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.
- (X) Please use Customer No. 20,995 for the correspondence address.



Megan McCoy
Registration No. 51,345
Agent of Record
Customer No. 20,995
(805) 547-5581

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

O I P E JC10 JAN 10 2003
PATENT & TRADEMARK OFFICE

Applicant	:	Chappel, R.)	Group Art Unit 1645
Appl. No.	:	09/380,826)	
Filed	:	November 22, 1999)	
For	:	LEPTOSPIRA PATHOGENS HAVING NOVEL SEROLOGY)	
Examiner	:	Hines, J.)	

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AMENDMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

In response to the Office Action dated September 4, 2002 (Paper No. 20), please amend the above-captioned application as follows:

IN THE CLAIMS:

Please amend claims 1, 17, 19, 75, 124 and 125 as follows:

SUP F

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1. *(Twice amended)* An isolated pathogenic *Leptospira* bacterium, wherein said bacterium:
 - a) belongs to serovar *hurstbridge*, wherein said bacterium is cross-reactive in a cross-agglutination absorption assay with the *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684;
 - b) belongs to sero group *Hurstbridge* and cross-agglutinates with share group antigens of the *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684, wherein said bacterium does not cross-agglutinate with the members of other *Leptospira* groups; or
 - c) belongs to the species *Leptospira fainei* and wherein said bacterium comprises genomic DNA which is at least 40% homologous to the genomic DNA derived from *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684.